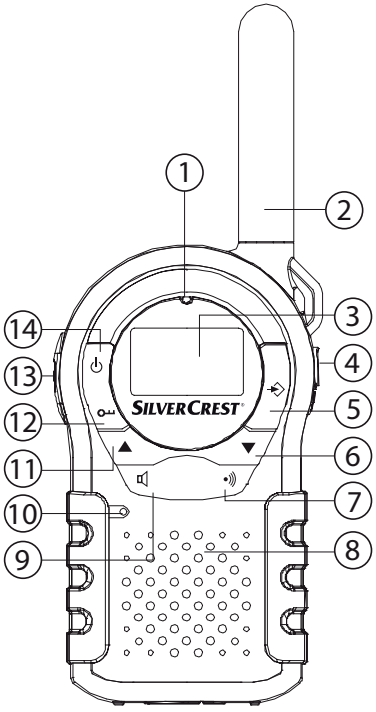
SILVERCREST®

PMR Twintalker 2-Way Radio Set

GB **PMR Twintalker 2-Way Radio Set**
User manual and service information

PMR-1200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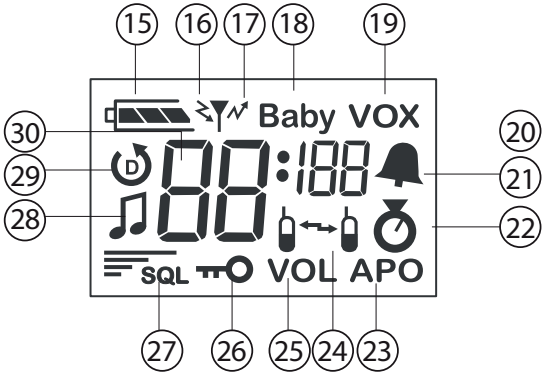
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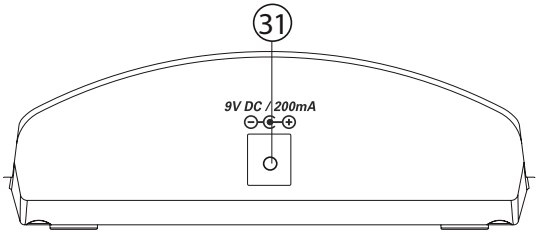
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1. Important Safety Instructions

Note on Using this Manual

Before you use this product for the first time, please read the following notes in this manual and heed all warnings, even if you are familiar with handling electronic devices. Keep this manual safe for future reference. If you sell the device or pass it on, it is essential you hand over this manual also.
The manufacturer assumes no liability for any damage resulting from the non-observance of instructions in this User's Manual, non-intended use, unauthorised modifications, etc.

This icon denotes important information for the safe operation of the product and for the user's safety.

This symbol denotes further information on the topic.

This icon alerts you about possible damage to the user's hearing.

Copyright

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All texts and figures are up-to-date as per the date of print release. We assume no liability for any changes.

Operating Environment

- Position the charger cradle on a stable, even surface and do not place any heavy objects on the charger cradle or the Personal Mobile Radio (PMR) radio transceivers.
- Operating temperature and operating humidity: -20 °C to 55 °C, max. 85% RH

Always make sure that

- there is free circulation of air (do not place the charger cradle on shelves), and leave at least 10 cm clearance on all sides;
- no direct heat sources (e.g. heating) can affect the charger cradle;
- no direct sunlight or bright artificial light reaches the charger cradle;

- contact with spray, dripping water and corrosive liquids must be avoided and the charger cradle should never be operated near water, and it must especially never be immersed (do not place any objects filled with liquids such as vases or drinks near the charger cradle);
- no fire sources (e.g. burning candles) are placed on or near the charger cradle;
- no foreign bodies are introduced into the device;
- the charger cradle must not be subject to any great temperature changes as this may cause moisture through condensation;

If you are not using the product within the Republic of Germany, you must observe the regulations and laws in the country of use.

Batteries and Rechargeable Batteries

- Insert the batteries with the correct polarity. Do not try to recharge any conventional batteries and do not throw batteries into fire. When handled incorrectly there is danger of explosion.
- Remove the batteries / rechargeable battery when you are not going to use the device for a long period of time.
- Keep batteries out of children's reach.

Cable Handling Precautions

- Always hold all cables by the plug and never pull on the cable itself. Never hold the plug-type power adapter with wet hands as this may cause a short circuit or electric shock. Never place the device, heavy objects or furniture on the cable and take care that the cord does not become trapped, especially at the plug and sockets. Never make knots in the cable and do not tie it together with other cords. All cables should be positioned so that nobody can trip over them or be obstructed by them.
- Install the cables in a safe way. Avoid tripping over them.
- Do not attempt to open the housing of the charger cradle or the radio transceivers. otherwise you will void your warranty.

Risk of Burning Injury

- Never touch the antenna if you find the antenna insulation to be damaged. When the antenna comes in contact with the skin, minor burns may occur while transmitting.
- Batteries and the rechargeable battery may cause material damage and burns if any conductors such as jewellery, keys or chains touch the battery terminals. The conductive material may close an electrical circuit causing a short-circuit and become

very hot. Handle the rechargeable battery and any batteries carefully, especially when storing them in a pocket, purse or another bag containing metal objects.

Risk of Injury

- Do not place the product within the action radius of your vehicle's airbag. Airbags inflate very quickly. If a PMR is placed within the airbag deployment radius, the PMR may be hurled across the vehicle and cause injury to the occupants.
- Keep the radio transceivers at least 15cm (6-inch) away from any pacemakers.
- Power your PMR off if you observe any interference caused to medical equipment.

Risk of Explosion

- Never replace any batteries in an explosion-sensitive environment. While inserting or removing the batteries (or rechargeable batteries), a spark may be produced causing an explosion.
- Power your PMR off when in a potentially explosive environment. Sparks in a such an environment may cause explosion or fire. In addition, injury or even death may occur.

  Explosion-sensitive areas will normally (but not always) be labelled. These include fuel storage areas such as below deck on a boat, fuel line or tank areas, environments where the air contains inflammable substances (e.g. cereals, metal dust or powder, etc.) and any areas where you should normally switch off your car engine.
- Do not throw any batteries or the rechargeable battery into fire, as they may explode.

Intended Use

- This is a Consumer Electronics device (CE Conformity certified through the additional application of several Information Technology standards). It may not be used in tropical climates. Only connection cables and external devices may be used that comply with safety standards and the electromagnetic compatibility and shielding quality of this device.
- This device fulfils all that relates to CE Conformity, relevant norms and standards.

  Any modifications to the equipment other than recommended changes by the manufacturer may result in these directives no longer being met. Only use the accessories recommended by the manufacturer.
- If you are not using the device within the Republic of Germany, you must observe the regulations and laws in the country of use.
- In some countries it is forbidden to use your PMR while driving a vehicle. In this case, stop your vehicle beside the road before using it.

- Power your PMR off when onboard an aircraft and the cabin attendants instruct you to do so. You must follow the airline flight crew and cabin crew instructions when using the product.
- Power the product off wherever you encounter any signs indicating you must do so. Hospitals and medical facilities may use devices that are sensitive to RF fields.
- Replacing or modifying the antenna or transceiver may change the PMR specifications and void the CE regulations. Furthermore, any unauthorized antennas may damage the PMR.

Do not touch the antenna while transmitting, as this may result in decreased range.

Danger Through Noise Disturbance

- Caution when using the supplied earphones. Listening at high volume can harm the user's auditory system.

Children and Persons with Disabilities

- Do not allow children or persons with disabilities to use electrical devices when not under supervision. These may not comprehend the presence of potential risks.
- Keep the batteries away from children as there is danger of suffocation and poisoning.
- Keep the packaging away from children and persons with disabilities too. as there is danger of suffocation.

1.1 Cleaning

- To clean the product, power it off, and wipe it with a soft, slightly damp cloth. Do not use any cleaners or detergents nor solvents, as these may enter the housing and cause permanent damage to the product.
- Clean the battery terminals from time to time with a dry, lint-free cloth.
- If the PMR gets wet, power it off immediately and remove the rechargeable battery or the conventional batteries. Dry the battery compartment with a soft cloth. Leave the battery compartment open for 24 hours to allow the humidity to dry off. Do not use the product until it is completely dry.

1.2 Repair and Maintenance

Repairs are required when this product has been damaged in any way, for example, when liquid has entered the product, when the product has been exposed to rain or moisture, when the product does not work normally or if the product has been dropped. If smoke, unusual noises or smells are noticed, unplug the charger cradle immediately or remove the rechargeable battery or conventional batteries from the radio transceiver. In this event the product should not be used further and should be inspected by authorized service personnel. Please contact qualified personnel when servicing is needed. Never open the housing of the device, as you may damage it. Only use a clean, slightly damp cloth for cleaning.
Do not attempt to repair the product yourself.

CE Declaration of Conformity Notice

CE

This device has been tested for compliance with the relevant requirements of the RTT&E Directive 1999/5/EC. Furthermore, the product fulfills the ecological design criteria according to the Commission Regulation 278/2009 to implement the Directive 2009/125/EC. The Declaration of Conformity can also be found at the end of this User's Manual. The CE sign can be found in the battery compartment of the handheld radio transceivers and on the bottom of the charger cradle.

2. Preface

Thank you for choosing a SilverCrest product.
Your PMR-1200 consists of two portable handheld radio transceivers with a maximum range of 8 km. Using this PMR set is free of charge, therefore there is no need to pay any license fees, etc. You can choose from 8 channels for communicating between the two stations. The radio transceivers may be used in any country where their operation is permitted. The handheld transceivers are protected against light rain.

Example Applications
You can use your PMR set anywhere you may need to communicate with other persons, whether corporate or private. For example, you can keep in touch with your employees on the company premises or stay connected to your children while they are in the garden. As soon as you have found an interference-free channel, communication will only be limited by obstacles and the maximum range.

3. Package Contents

Take all supplied devices and accessories out of the packaging and inspect them for any damaged or missing items:

- 2 handheld radio transceivers PMR-1200
- 2 belt clips
- 1 charger cradle
- 1 power adapter
- 2 NiMH battery packs
- 2 earphones with microphone and PTT button
- User manual with service information

Remove the protective film from the displays (3) of both transceivers. To do this, place your fingernail below the tongue in the upper-left corner of the protective film, lift it up and remove the film.

Keep the packaging material in case that you have to ship or transport the product in the future.

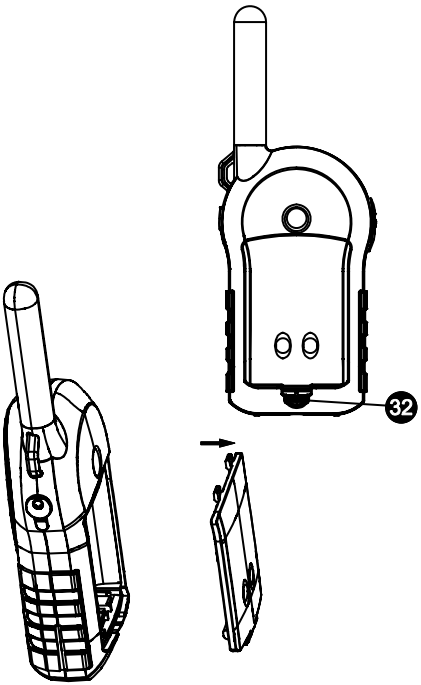
4. Introduction

Before using the product for the first time, read the safety instructions starting from page 2 carefully and completely.

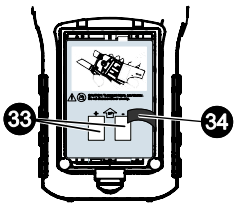
4.1 Inserting the Rechargeable Battery / Conventional Batteries

1. Remove the belt clip (see page 10, Removing the Belt Clip).

.2. Push the latch (32) of the battery compartment cover upwards and remove the cover.



3. Insert the rechargeable battery according to the polarity markings found on the battery and inside the battery compartment. The two metal strips (33) must face outwards and the “UP” arrow found on top of the metal strips must point upwards. When inserting the rechargeable battery, make sure that the latch (34) is placed around the battery so that you can remove the battery easily from the compartment when required.



Optionally you may also use conventional alkaline AAA-sized batteries (or even rechargeable AAA-sized batteries). Always pay attention to the polarity (+ and -) markings inside the battery compartment.

4. Close the battery compartment. First insert the two pins on the top into the corresponding notches on the radio transceiver housing and then swivel the cover downwards until it clicks in place. Replace the belt clip (see page 9, Installing the Belt Clip).4.1

4.2 Removing the Rechargeable Battery

If you want to power your handheld radio transceiver with conventional alkaline batteries you must remove the rechargeable battery pack first. Proceed as follows:

1. Remove the belt clip (see page 10, Removing the Belt Clip).
2. Push the latch (32) of the battery compartment cover upwards (see page 9) and remove the cover.
3. Carefully pull on the latch (34) to release the rechargeable battery and then remove the battery from the compartment.

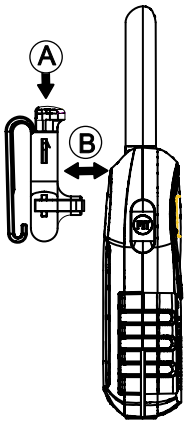
4.3 Installing the Belt Clip

1. To install the belt clip, insert the pin into the hole on the back panel of the handheld radio transceiver. The belt clip must click in place.

4.4 Removing the Belt Clip

In order to insert or remove the rechargeable battery you must remove the belt clip.

1. To remove the belt clip, press on top of the belt clip (A) to release the lock and then pull the belt clip away from the radio transceiver (B).



4.5 Preparing the Charging Cradle

1. Place the charging cradle onto a stable, flat surface.
2. Plug the power adapter plug into the power receptacle (31) of the charging cradle.
3. Plug the power adapter into a wall outlet.

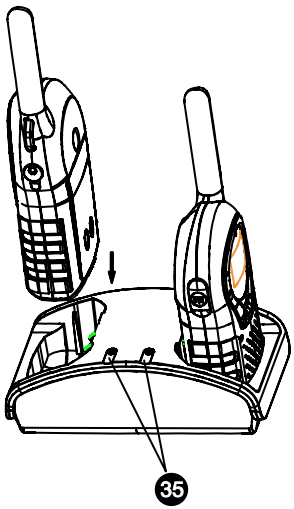
WARNING!
Make sure that the wall outlet is nearby and easily accessible so that you can unplug the power adapter quickly in case of an emergency. Otherwise short-circuit or fire can occur.

The power adapter of the charging cradle consumes power even if there is no handheld radio transceiver placed onto it. Therefore it is recommended that you unplug the power adapter from the wall outlet to completely separate it from the mains and to avoid any unnecessary power consumption.

4.6 Charging the Battery

Charge the battery packs of both handheld radio transceivers completely before using them for the first time. Charging takes approx. 12-14 hours.
As long as the rechargeable battery pack is inserted into the handheld radio transceiver (see page 9), you can charge it by using the charging cradle.

1. Place both PMR sets on the charging cradle (see the following figure).
2. The charging indicator (35) located on top of the charging cradle lights red when a transceiver has been inserted properly and its battery is being charged.



There will be no indication on the charging process on the display (3).

When powering the transceiver with optional rechargeable AAA-sized batteries, they cannot be recharged with the charging cradle. You will need an optional charger for AAA-sized batteries.

Warning! Do not overcharge the battery!
The charger cradle supplies a constant and continuous charging current. Therefore you should remove the handheld radio transceiver from the charger cradle after approx. 12 hours otherwise the battery lifetime may be reduced.

4.7 Battery Status Indicator

When the transceiver is powered on, the battery status indicator (15) will appear on the display (3) to show the level of the rechargeable battery pack or the inserted batteries.

- Battery fully charged
- Battery 2/3 charged
- Battery 1/3 charged
- Battery empty

When the rechargeable battery pack or the inserted batteries are exhausted, an acoustic signal will be heard.

4.8 Front Panel of the PMR

See the figure on the fold-out cover page.

1	Send LED indicator Lights when the PTT button is being pressed and the unit is transmitting.
2	Antenna
3	Display
4	Earphones receptacle (behind protective cover)
5	Function button Press to display the setup menu.
6	Down button ▼ To reduce the sound volume. To select the previous menu item.
7	Call button
8	Speaker

9	Button (channel monitor/scan)
10	Microphone
11	Up button ▲ To increase the sound volume. To select the next menu item.
12	Button lock
13	PTT button Press this button to start transmitting your message.
14	ON/OFF button

4.9 LCD Display Information

See the figure on the fold-out cover page.

15	Battery level
16	Reception icon Will be displayed in receive mode.
17	Transmission icon Will be displayed in send mode.
18	Baby monitor icon
19	VOX icon
20	CTCSS/CDCSS code
21	Call tone icon
22	Chronometer icon
23	Auto power off icon (APO), power-saving function
24	Roger beep icon
25	Volume icon
26	Button lock icon
27	Squelch
28	Call tone icon
29	a. Channel scan icon b. Dual scan icon
30	Channel number / Volume level

5. Getting Started

In order to be able to communicate using two PMR units, these must be set to the same channel and to the same CTCSS/CDCSS code. Furthermore, they must be located within range (max. 8km in open field).
The RF communications take place on a free (unscrambled) channel, i.e. other people that have a PMR or a receiver for the set channel will be able to listen to your messages. You can choose from 8 different channels.

WARNING! Before using the product for the first time, read the safety instructions starting from page 2 carefully and fully, otherwise material or personal damage may occur.

5.1 Powering the PMR On/Off

How to power your PMR on

1. Press and hold the ⏻ button (14) for at least 2 seconds. An acoustic signal can be heard and the currently set channel will appear on the display (3).

The unit will be in receive mode as long as it is powered on and not transmitting.

How to power your PMR off

1. Press and hold the ⏻ button (14) for at least 2 seconds. An acoustic signal can be heard and the display (3) will turn blank.

5.2 Adjusting the Volume

1. In receive mode, press the ▲ button (11) to raise the audio volume. The current volume level (between 1 and 16) will be displayed.
2. In receive mode, press the ▼ button (6) to decrease the audio volume.

5.3 Your First RF Transmission

In order for other people to be able to listen to your messages, both PMR sets must be set to the same channel and to the same CTCSS/CDCSS code (see pages 16 and 17). After powering on the transceivers for the first time, Channel 1 and CTCSS code 1 are preset by default.

1. Press and hold the PTT button (13). The transmission icon will appear on the display, the unit starts sending and you can speak your message into the microphone (8). Additionally, the LED indicator (1) lights red.
   All PMR sets tuned to the same channel and located within range will hear your message.
2. Release the PTT button (13) when you are done with your message.
3. Listen to the answer of the remote station.
4. Before you can answer again you have to wait until the remote station finishes its message. If you have enabled the Roger beep function (see page 22), the PMR will send an acoustic signal when releasing the PTT button (13). To answer, press and hold the PTT button (13) again and speak into the microphone.

- If 2 or more stations press the PTT button (13) simultaneously, the receiver will receive the strongest signal only or both signals will mix and interference will occur. Therefore you should press the PTT button (13) only whenever the channel is free.
- Always pay attention to the maximum range.
- Hold the PMR vertically and keep the microphone approx. 10cm (4-inch) from your mouth.
- The maximum transmission time is 1 minute. For longer messages you may have to release the PTT button (13) and press it again to continue talking.

6. Advanced Operation

6.1 Function button

The function button (5) allows you to customise your PMR. The following table lists the different functions that are available. A description of the functions can be found on the corresponding page.

Function button	Function	Detailed description
Press once	Switch channel	See page 16
Press twice	Switch CTCSS/CDCSS code	See page 17
Press three times	Baby monitor	See page 17
Press four times	Call Tone	See page 18
Press five times	Sensitivity for voice-controlled transmit function (VOX)	See page 18
Press six times	Squelch level	See page 19
Press seven times	Dual Scan	See page 20
Press eight times	Power-saving function (auto power-off)	See page 21
Press nine times	Button sound on/off	See page 21
Press ten times	Chronometer	See page 22
Press eleven times	Roger Beep On/Off	See page 22

If no button is pressed for 5 seconds while changing a setting, the unit will return to receive mode and changes are applied.

6.2 Setting a Different Channel

When setting a different channel, this needs to be done on both PMR sets in order for you to be able to communicate with the remote station.

1. Press the button (5) once. The current channel number will blink on the display.
2. Press the ▲ or ▼ button to set a different channel.
3. Press the PTT button (13) to confirm the setting.

6.3 CTCSS/CDCSS code

The 3-digits CTCSS/CDCSS code is a tone frequency that the PMR will transmit. Two stations that have been set to the same channel and to the same CTCSS/CDCSS code can listen to each other. No other stations will be heard on the same channel, unless these stations use the same CTCSS/CDCSS code. The PMR-1200 supports 38 analogue CTCSS codes (1 to 38) and 83 digital CDCSS codes (39 to 121).

1. Press the button (5) twice. The current CTCSS/CDCSS code will blink on the display.
2. Press the ▲ or ▼ button to set a different code.
3. Press the PTT button (13) to confirm the setting.

- Any receiver tuned to the same channel and using the same CTCSS/CDCSS code can listen to your conversation.
- To disable the CTCSS/CDCSS function, select the code “0”.
- Using a CTCSS or CDCSS code does not protect communications from being intercepted. Any radio transceiver or receiver tuned into the same channel that is not using a CTCSS or CDCSS code will be able to listen to all transmission on this channel.

6.4 Monitoring a Channel

You can search the current channel for any weak signals. To do this, use the Channel monitoring function.

1. Press and hold the button (9) to enable channel monitoring.
2. Release the button (9) to stop channel monitoring.

6.5 Baby monitor

You can use your PMR set as a baby monitor. One of the transceivers will transmit a signal whenever your baby is crying or another noise is detected in the room (VOX). This transceiver will not receive any signals to avoid disturbing the baby’s sleep.
In order to be able to receive the signal of the baby transmitter, the second PMR must be tuned to the same channel and the same CTCSS/CDCSS code (see pages 16 and 17).

In baby monitor mode, most transceiver functions are disabled (except button lock, menu and power off/on). You must exit the baby monitor to gain access to these functions again.

How to enable the baby monitor:

1. Press the button (5) three times. The current VOX sensitivity will blink on the display. In addition, the BABY icon (18) will display.
2. Press ▲ to enable the baby monitor.
3. Press the ▲ or ▼ button to set a different sensitivity. You can set sensitivity values between 1 (low) and 3 (high).
4. Press the PTT button (13) to confirm the setting.

How to disable the baby monitor:

1. Press the button (5) three times. The current VOX sensitivity will blink on the display. In addition, the BABY icon (18) will display.
2. Press ▼ to disable the baby monitor. The display will read "OF".
3. Press the PTT button (13) to confirm the setting.

6.6 Call Tone

The call tone is an audible signal that alerts other stations that you want to transmit a message. The PMR-1200 supports 15 call tones.

Selecting the Call Tone

1. Press the button (5) four times. The icon will display.
2. Press the ▲ or ▼ button to set a different call tone.
3. Press the PTT button (13) to confirm the setting.
4. To disable the call tone, select "OF".

Sending the Call Tone

1. Press (7). The call tone will be sent over the current channel.

6.7 Voice-Controlled Send Function (VOX)

This function is similar to the hands-free feature of your mobile phone. The PMR will start transmitting as soon as it detects your voice (or another noise). This allows you to send a message without pressing the PTT button (13). Use of this function is not recommended when you are located in a noisy or windy environment.

1. Press the button (5) five times. The current VOX sensitivity will blink on the display. In addition, the VOX icon (19) will display.
2. Press ▲ to enable the VOX function.
3. Press the ▲ or ▼ button to set a different sensitivity. You can set sensitivity values between 1 (low) and 3 (high). Select “OF” to disable the VOX function.
4. Press the PTT button (13) to confirm the setting.

- If you press the PTT button (13) while the VOX function is enabled, it will be disabled.
- If you insert the earphones plug into the earphones connector (see page 24) while the VOX function is enabled, it will be disabled.

6.8 Squelch

The adjustable squelch function allows you to customize the reception sensitivity of your PMR. Any signals stronger than the set level (trigger value) can be received, any signals below the set level will be ignored. You can lower the trigger value to receive weaker signals. The unit supports 4 different levels: level 1 is the lowest squelch level and is used for receiving very weak signals. Level 4 is the most restrictive: you will only receive very strong signals. Any interference caused by weaker stations will be dropped.

1. Press the button (5) six times. The current squelch level will blink on the display.
2. Press the ▲ or ▼ button to set a different level.
3. Press the PTT button (13) to confirm the setting.

When using a low level (high sensitivity) it is normal to hear some background noise from time to time.

6.9 Channel Scan

Channel scan will search all available channels for any active stations in a loop.

1. Press the button (9) to start the channel scan. The channel scan icon (29) will appear.
2. If an active signal is detected on a channel, you can press the PTT button (13) to cancel the channel scan and to communicate on this channel: otherwise, the channel scan will continue automatically after 5 seconds.
3. Press the ▲ or ▼ button to skip the found channel and continue scanning.
4. Press the button (9) again to stop the channel scan.

If you start the channel scan and have selected the CTCSS/CDCSS code “0”, all transmitting stations will be found (with and without CTCSS code).

If you start the channel scan and have selected a CTCSS code between 1 and 38 or a CDCSS code between 39 and 121, only transmitting stations with CTCSS/CDCSS code will be found. Stations that do not transmit any CTCSS/CDCSS code will be ignored.

6.10 Dual Scan

Normally your PMR will receive one channel only (with or without CTCSS/CDCSS code). The dual scan function allows the monitoring of a second channel with CTCSS/CDCSS code. If a station is detected on the second channel, you can press the PTT button (13) within the next 5 seconds to answer the received message.

How to enable dual scan:

1. Press the button (5) seven times. The dual scan icon will appear on the display.
2. Press the ▲ or ▼ button to set the second channel that you want to monitor.
3. Press the button to confirm the selected channel and to display the CTCSS/CDCSS code selection.
4. Press the ▲ or ▼ button to set the CTCSS/CDCSS code.
5. Press the PTT button (13) to confirm the setting.

How to disable dual scan:

1. Press the button (5) seven times.
2. Press the ▲ or ▼ button until the display reads “OF”.

6.11 Off Timer (Auto Power Off)

If you have enable the Auto Power Off feature, the PMR will turn off automatically after the set time.

1. Press the button (5) eight times. The current power-off delay time will blink on the display.
2. Press the ▲ or ▼ button to set a different delay.
3. Press the PTT button (13) to confirm the setting.

You can set a delay between 1 and 12 hours. For example, if you set “8” when starting your work, the PMR will power off automatically at closing time. Or select “OF” to disable the power-saving function.

6.12 Button Sound

Normally an acoustic signal can be heard each time you press a button.

1. Press the button (5) nine times. The current button sound setting will blink on the display.
2. Press the ▲ or ▼ button to enable (“ON”) or disable (“OF”) the button sound.
3. Press the PTT button (13) to confirm the setting.

6.13 Chronometer

Your PMR-1200 includes a chronometer function for time measurement (minutes:seconds).

1. Press the button (5) ten times. The time counter will appear on the display.
2. Press the ▲ button to start the chronometer.
3. Press the ▲ button again to pause the chronometer. The counter will continue running in background. Press the ▲ button again to resume the chronometer.
4. While the chronometer is paused, press the ▼ button to reset the counter.

It is necessary to start the chronometer within 5 seconds after enabling it or after resetting the counter, otherwise the unit will toggle back to receiving mode.

6.14 Roger Beep On/Off

If you release the PTT button (13) after transmitting your message, the unit will send a roger beep to indicate the end of the transmission. If necessary, you can disable this roger beep.

1. Press the button (5) eleven times. The current roger beep setting will blink on the display.
2. Press the ▲ or ▼ button to enable (“ON”) or disable (“OF”) the roger beep.
3. Press the PTT button (13) to confirm the setting.

6.15 Button Lock

The button lock helps you to avoid any device settings being changed when a button is pressed accidentally. The button lock feature does not apply to the buttons (9), (14), (7), (12) nor the PTT button (13).

How to enable the button lock

1. Press and hold the button (12) for 3 seconds. The button lock icon (26) will appear on the display.

How to disable the button lock

1. Press and hold the button (12) again for 3 seconds. The button lock icon (26) will disappear.

6.16 Display Backlight

The PMR display has a backlight to facilitate operating the device in darkness. The backlight will switch on automatically when pressing any button except the PTT button (13) and the button (7).
The backlight will switch off automatically after 5 seconds.

6.17 After Using the Product

When you stop using your handheld transceivers you should recharge them in order to have them fully read the next time you need them. To do this, proceed as described on page 11.

7. Earphones Receptacle

You can use your PMR sets with the supplied earphones.
The earphones receptacle (4) is located behind a protective cover.

WARNING!
Before connecting the earphones, you must reduce the sound volume (see page 14) otherwise you risk damaging your hearing due to the high earphones level. We recommend that you start with the volume level set on 4 and increase it later if necessary.

1. To connect the earphones, open the rubber cover that protects the earphones receptacle (4).
2. Insert the 2.5mm jack-type earphones plug into the earphones receptacle (4).
3. Fix the earphones cable to a piece of clothing by using the clip attached to the cable and then insert the earpiece into your ear.

The silver PTT button on the earphones works in exactly the same way as the PTT button (13) of your PMR. When using the PTT button of the earphones you must speak into the microphone located on the back of the silver PTT button on the earphones cable.

Warning!
Do not connect any other headphones or earphones, otherwise you risk seriously damaging your PMR.

Warning!
When using the earphones the IPX2 protection against vertically falling drops of water with tilted enclosure is not guaranteed.

8. Troubleshooting

You can solve the most common problems yourself by using the following table. If the problem persists after checking the suggested solutions, please contact our Service Hotline (see page 29). Do not attempt to repair the product by yourself.

Problem	Solution
Unable to power the PMR on.	• Press and hold the On/Off button (14) for at least 2 seconds. • Charge the battery pack of your PMR or insert charged batteries. See page 9.
No transmission	• Set both radio transceivers to the same channel and optionally CTCSS/CDCSS code. See page 17. • Press and hold the PTT button (13) fully down while speaking. • If there is interference in the transmission, switch to a different channel. See page 16.
Short range, communications interference	• The range depends on the environment. Any steel constructions, concrete buildings or use of the unit in a vehicle may reduce the range. If possible, try moving to a place where you have free sight to the receiving station.
Reception interference	• Move away from any electromagnetic sources (high-voltage power lines, machines with electric motors, etc.). • Set a higher squelch level. See page 19. • Try to see if the communications quality is better on a different channel. See page 16.

9. Technical Specifications

Channels	8
Number of CTCSS codes	38
Number of CDCSS codes	83
Frequency range	446.00625 MHz - 446.09375 MHz
Range	max. 8 km (open field)
Power Supply	NiMH battery pack or 3 optional AAA-sized batteries
Transmission power	<= 500 mW ERP (effective radiated power)
Modulation	FM, F3E
Channel separation	12.5 kHz
Power adapter for charging	DEE VAN ENTEPRISE CO., LTD, DSA-6E-12 EU 090020 (Europe) / DSC-6PFA-12 FUK 090020 (UK and Eire) Input: 100-240V AC / 50/60Hz Output: 9V DC / 200mA
Cradle	
Rechargeable battery	LEXEL, KEBT-079-1 3.6 V, 600 mAh
Earphones	Manufacturer: TARGA GmbH Type: Earphones EP-1200 Connector: 2.5 mm jack-type
Dimensions	Handheld transceiver with antenna 58 x 156 x 29 mm Charger cradle 119 x 42 x 66 mm Plug-type power adapter 29 x 53 x 77 mm Cable length of plug-type power adapter 1.50 m
Weight	Handheld transceiver with battery: 123 g Handheld transceiver without battery: 90 g Charger cradle: 78 g Power adapter: 66 g
Environment	Operation: -20 °C to 55 °C, max. 85% RH Storage -30 °C to 70 °C, max. 90% RH
IP standard*	IPX2 protection against vertically falling drops of water with enclosure tilted 15° (only for handheld transceivers and not for the power adapter nor the charging cradle)
Year of manufacture	2010

** only met for operations without earphones*

Frequency chart		**CTCSS code**							
Chan-nel	Frequency (MHz)	Code	Frequency (Hz)	Code	Freq. (Hz)	Code	Freq. (Hz)	Code	Freq. (Hz)
1	446.00625	0	Disabled	10	94.8	20	131.8	30	186.2
2	446.01875	1	67.0	11	97.4	21	136.5	31	192.8
3	446.03125	2	71.9	12	100.0	22	141.3	32	203.5
4	446.04375	3	74.4	13	103.5	23	146.2	33	210.7
5	446.05625	4	77.0	14	107.2	24	151.4	34	218.1
6	446.06875	5	79.7	15	110.9	25	156.7	35	225.7
7	446.08125	6	82.5	16	114.8	26	162.2	36	233.6
8	446.09375	7	85.4	17	118.8	27	167.9	37	241.8
		8	88.5	18	123.0	28	173.8	38	250.3
		9	91.5	19	127.3	29	179.9		

CDCSS Codes									
Code	Octal	Code	Octal	Code	Octal	Code	Octal	Code	Octal
39	23	56	125	98	466	74	251	107	624
40	25	57	131	99	503	75	261	108	627
41	26	58	132	100	506	76	263	109	631
42	31	59	134	101	516	77	265	110	632
43	32	60	143	102	532	78	271	111	654
44	43	61	152	103	546	79	306	112	662
45	47	62	155	104	565	80	311	113	664
56	51	63	156	64	162	81	315	114	703
47	54	89	411	65	165	82	331	115	712
48	65	90	412	66	172	83	343	116	723
49	71	91	413	67	174	84	346	117	731
50	72	92	423	68	205	85	351	118	732
51	73	93	431	69	223	86	364	119	734
52	74	94	432	70	226	87	365	120	743
53	114	95	445	71	243	88	371	121	754
54	115	96	464	72	244	105	606		
55	116	97	465	73	245	106	612		

10. Disposal of Old and Defective Devices and Packaging Material

The European Directive 2002/96/EC applies to this product. All electric and electronic devices must be disposed of separately from household waste at established bodies. This sign can be found in the battery compartment of the handheld radio transceivers and on the bottom of the charger cradle.

Avoid hazards to the environment and dangers to your personal health by disposing of the device and its packaging properly. For further information about proper disposal, contact your local government, disposal bodies or the shop where you bought the device.

According to waste regulations, we are responsible for collecting any packaging materials for our products whenever they do not carry the icon of a nationwide collection system (such as the German "Grüne Punkt") and for taking care of their recycling and/or disposal. For more information about product recycling, please contact our Service Hotline (see page 29). We will inform you of public collection points or a collection company near you that will dispose of the packaging material for free.

Batteries and Rechargeable Batteries
Old batteries and rechargeable batteries do not belong in with domestic waste. They must be handed in to a collection point for old batteries.

11. Warranty Information

36 month warranty from date of purchase

UK

Important

SILVERCREST

Dear Customer,

Thank you for purchasing a Silvercrest product.

We ask you to read carefully through the enclosed documentation or online help before putting your Silvercrest product into service. If you have a problem, which can not be solved in this way, please contact our hotline.

In case that trouble solving over the telephone is not possible, our hotline will arrange the service depending on the fault of the device. This will contain the elimination of defects by production and material at no charge.

Up-to-date information and answers to the most frequently asked questions are available on the internet from: www.silvercrest.cc

Please note that the warranty period for rechargeable batteries is 12 months.

This guarantee is valid in United Kingdom.

Your statutory guarantees from the seller are in addition to this warranty and are not limited by it.

BT

36 month warranty

Hotline number

0207 - 36 50 744

(Please have your serial number at hand!)

Manufacturer:

TARGA GmbH
Postfach 22 44
D-59482 Soest
www.silvercrest.cc

36 month warranty from date of purchase

Ireland

Important

SILVERCREST®

Dear Customer,

Thank you for purchasing a Silvercrest product.

We ask you to read carefully through the enclosed documentation or online help before putting your Silvercrest product into service. If you have a problem, which can not be solved in this way, please contact our hotline.

In case that trouble solving over the telephone is not possible, our hotline will arrange the service depending on the fault of the device. This will contain the elimination of defects by production and material at no charge.

Up-to-date information and answers to the most frequently asked questions are available on the internet from: www.silvercrest.cc

Please note that the warranty period for rechargeable batteries is 12 months.

This guarantee is valid in Ireland.

Your statutory guarantees from the seller are in addition to this warranty and are not limited by it.

BT

36 month warranty

Hotline number

01 - 242 15 83

(Please have your serial number at hand!)

Manufacturer:

TARGA GmbH
Postfach 22 44
D-59482 Soest
www.silvercrest.cc

12.Declaration of Conformity

CE

Declaration of Conformity

We: Targa GmbH
Lange Wende 41
59494 Soest, Germany

declare our responsibility that the

product: Private Mobile Radio
model: Silvercrest PMR-1200

is confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to the Council directive R&TTE 1999/5/EC.

The measurements were carried out in accredited laboratories.

For the evaluation of above mentioned Council Directive R&TTE following standards were consulted:

EN 300 296-2 V1.2.1
EN 300 341-2 V1.1.1

EN 301 489-1 V1.8.1
EN 301 489-5 V1.3.1

EN 60950-1: 2006 / A11: 2009
EN 62311: 2008

Soest, 12. of March 2010
Authorised signature

Matthias Klauke, Managing Director

CE 0197

TARGA GmbH
Lange Wende 41
D-59494 Soest
www.silvercrest.cc

Mat-No: 1549764, 1549765